

**ANNUAL REPORT  
FOR THE HAMLET OF GRISE FIORD, 2018**

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**YEAR BEING REPORTED: 2018**

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence # 3BM- GRI1520 issued to the Hamlet of Grise Fiord.

- i) - iii) tabular summaries of all data generated under the "Monitoring Program"; monthly and annual quantities in cubic metres of freshwater obtained from all sources; monthly and annual quantities in cubic metres of each and all wastes discharged;

Attached are quantities of water used as reported in our On Tap Water Delivery System and the estimated discharge of sewage waste based on quantities used...?

<b>Month Reported</b>	<b>Quantity of Water Obtained from all sources (litres)</b>	<b>Quantity of Sewage Waste Discharged (Estimated)</b>
<b>January</b>	<b>518,026</b>	Same
<b>February</b>	<b>516,268</b>	Same
<b>March</b>	<b>523,633</b>	Same
<b>April</b>	<b>517,168</b>	Same
<b>May</b>	<b>549,058</b>	Same
<b>June</b>	<b>510,825</b>	Same
<b>July</b>	<b>471,168</b>	Same
<b>August</b>	<b>493,036</b>	Same
<b>September</b>	<b>591,079</b>	Same
<b>October</b>	<b>566,853</b>	Same
<b>November</b>	<b>566,217</b>	Same
<b>December</b>	<b>471,822</b>	Same
<b>ANNUAL TOTAL</b>	<b>6,292,153</b>	<b>6,292,153</b>

Note: The water consumption volume is considered equal to the discharge volume

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because there is no meter at the end of the discharge pipe.

- iv. A summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities;

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No modification and /or major maintenance work were carried out during this reporting period except Water intake. Potable water source in this community is surface runoff and this is active for about a month. Hamlet has to equip to fill all the two steel storage tanks by gravity in roughly 14 days using this surface flow facility. To increase the intake pipe flow rate, a ditch was excavated at the intake in order to increase the hydraulic depth by retaining water there. This ditch was maintained and is required to be upgraded.

- v. A list of unauthorized discharges and summary of follow-up action taken;

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No unauthorized discharge occurred during this reporting period. Hamlet did wastewater and leachate sampling and tested them in Caduceon lab in Ottawa. However, spills occurred in several times of the year.

March 16,2018- Petroleum –fuel oil 3100litres; July 23,2018- Petroleum lubrication oil 30 litres, August 29,2018- Gasoline 5 litres, November 19,2018-Petroleum –fuel oil-unknown quantity; December 20,2018-Petroleum lubrication oil-200 litres.

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- vi. A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;

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No abandonment and restoration work was conducted during this reporting year.

A Consultant is working on the feasibility study for a new waste site. The existing waste site will be decommissioned and abandoned once the new facility is built and commissioned.

- vii. A summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned;

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The upgrade of the Community water supply system is under the capital program. Water quality is being monitored by the Hamlet and a consultant to develop a design parameter of the new water plant.

The information of the feasibility study of the waste management will be considered in order to design a new facility.

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- viii. Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and



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The existing waste management is a big concern. A Consultant is on board for a feasibility study. The next step is to design and construct of a new site. At the same time a decommissioning plan of the existing waste site will be considered.

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- ix. Updates or revisions to the approved Operation and Maintenance Plans.

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The O&M manuals of the water supply, waste management and wastewater treatment Systems are already available in NWB office. No update or revision was required at this stage.

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x. **ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:**

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One consultant is working on water quality analysis and the second one on feasibility study of community waste management. The Community will be receiving two brand new facilities very soon.

Hamlet has started extended sampling and testing program. They are monitoring Water, wastewater effluent and leachate quality and testing the samples in the accredited lab in Ottawa.

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xi. **FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:**

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CIRNAC inspector concerned about the wastes site and current status of segregation and storage of the Hazardous materials at site. Once the decommissioning plan is available, this issue will be automatically resolved. However, Hamlet is trying/planning to put batteries etc. in the Sea can for the future disposal to the South.

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The water test results for 2018 are submitted in a separate document.



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